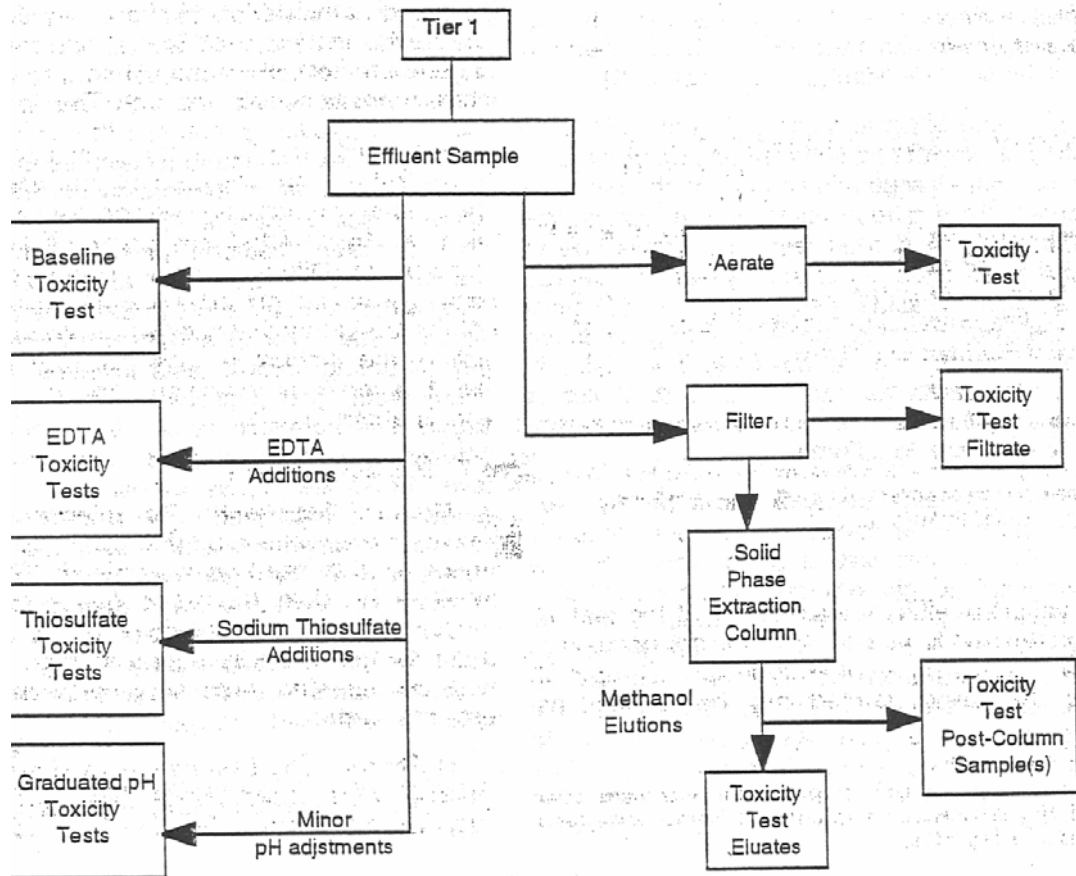


## ABSTRACT

**...143 SAMPLES WERE COLLECTED  
THROUGHOUT 1993 FROM ... THE SAN JOAQUIN  
RIVER AND THREE OF ITS TRIBUTARIES:  
ORESTIMBA CREEK, SALT SLOUGH, AND THE  
MERCED RIVER. OF THE 83 PESTICIDES  
SELECTED FOR ANALYSIS, 49 DIFFERENT  
COMPOUNDS WERE DETECTED...ALL BUT ONE  
SAMPLE CONTAINED AT LEAST ONE PESTICIDE,  
AND MORE THAN 50 PERCENT OF THE SAMPLES  
CONTAINED SEVEN OR MORE COMPOUNDS...  
OVERALL, SOME CRITERIA FOR PROTECTION OF  
AQUATIC LIFE WAS EXCEEDED IN A TOTAL OF 97  
SAMPLES.**

**FROM (PANSKIN *ET AL.*, 1998)**

sample preparation and testing overview.



## MODIFIED PHASE I PESTICIDE TIE SCHEME

MENT	PURPOSE
ON SERIES	ELIMINATES FALSE POSITIVES
RINSATE ELUATE	ESTABLISH NUMBER OF TOXIC UNITS  ESTABLISHES PESTICIDES AS CAUSE OF TOXICITY
CAL ANALYSIS	IDENTIFIES CLASS OF PESTICIDE  DETERMINES INSECTICIDE CONCENTRATION